

What is claimed is:

1. A method for connecting an entity to a network that provides mobile wireless Internet service to a user of the network comprising:

assigning a temporary IP address to the entity;

creating a communication link between the entity and a plug server through the Internet;

identifying the software necessary for the entity to provide the service;

collecting the necessary software from one or more software inventories in communication with the plug server;

forwarding the necessary software from the plug server to the entity; and,

installing and configuring the necessary software at the entity.

2. The method of claim 1 wherein the step of identifying the software necessary for the entity to provide the service further comprises the step of sending an inspector agent from the plug server to the entity capable of discovering the software needs of the entity.

3. The method of claim 1 further comprising the steps of:

collecting information about the identification of the user;

performing authentication of the user's identification prior to the step of identifying the software necessary for the entity to provide the service.

4. The method of claim 1 further comprising the steps of:

securing the communication link between the entity and the plug server using a request for secure HTTP.

5. The method of claim 1 further comprising the steps of:

assigning a new IP address to the entity using DRCP and/or DHCP.

6. The method of claim 2 further comprising the steps of:

sending a request from the inspector agent to the plug server requesting necessary link layer and topology data;

collecting the necessary link layer and topology data from a cell parameter server; and, forwarding the necessary link layer and topology data to the entity.

7. The method of claim 1 wherein the step of assigning a temporary IP address to the entity further comprises the steps of:

- sending a router solicitation message;
- receiving a router authentication message and obtaining a network prefix therefrom;
- constructing a temporary IP address for the entity; and,
- performing duplicate address detection.

8. A system for connecting an entity to a network that provides a mobile wireless Internet service to a user of the network comprising:

- a plug server in communication with the entity to be connected;
- a software inventory in communication with the plug server for storing software necessary for the entity to provide the service to the user;
- a cell parameter server in communication with the plug server for storing link layer and topology data necessary for the entity to provide the service to the user;

wherein the plug server sends an inspector agent to the entity to identify the software needed by the entity to provide the service to the user, collecting the identified necessary information from the software inventory, collecting the necessary link layer and topology data from the cell parameter server and forwarding the collected software and data to the entity.

9. The system of claim 8 further comprising a means for communicating between the plug server and the entity in a secure manner.

10. The system of claim 8 wherein the entity further comprises a server discovery software module for discovering a plug server in the Internet.

11. The system of claim 8 wherein the entity further comprises an Auto-IP software module for assigning a temporary IP address to the entity.

12. The system of claim 8 further comprising an AAA protocol based authentication server in communication with the plug server in order to authenticate information about the identity of the user of the entity.

13. The system of claim 12 further comprising a profile server in communication with the authentication server and the plug server for storing information regarding the identity of entities in the mobile wireless Internet.

14. The method of claim 8 further comprising a credit bureau server in communication with the plug server in order to validate information about the subscription of the user of the entity.

15. A plug server capable of communicating with the Internet and an entity capable of providing Internet services to a user comprising:

- a login handler software module for authenticating identification information from the user;

- a subscription handler software for validating subscription information from the user;

- a selection handler software module for routing the request of the user to either the login handles or subscription handler; and,

- an inspector agent software module for identifying the software necessary for the entity to provide the service to the user and for installing the necessary software in the entity.

16. The plug server of claim 15 wherein the login handler communicates with an authentication, authorization and accounting (AAA) protocol based server.

17. The plug server of claim 15 wherein the subscription handler communicates with a credit bureau server.